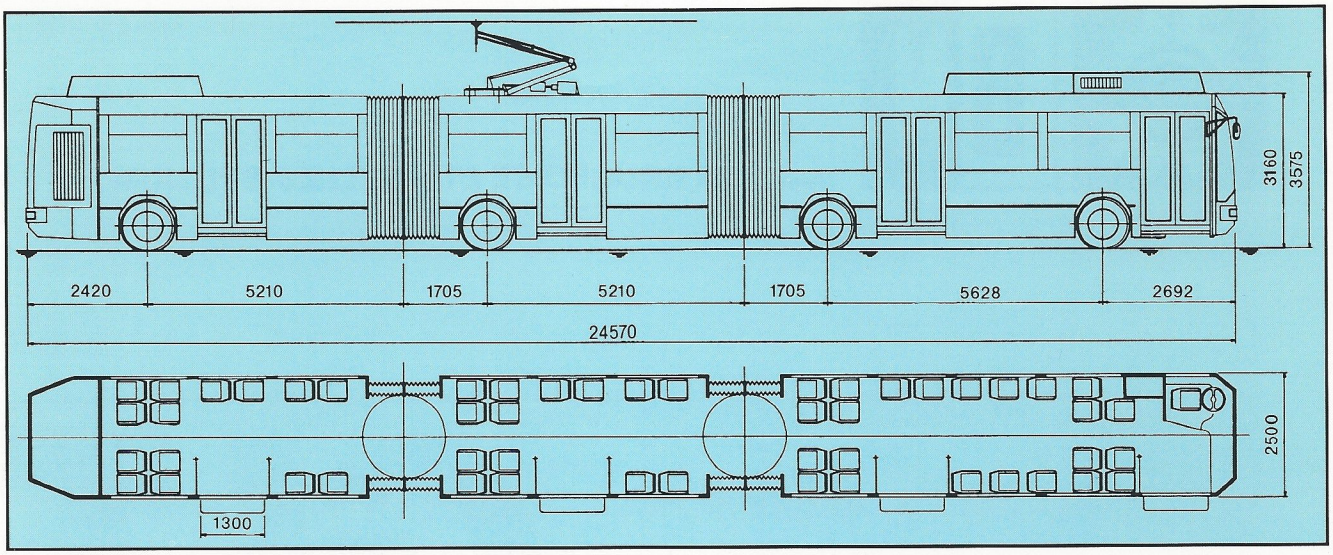
BOMBARDIER BN

FORMERLY LA BRUGEOISE ET NIVELLES-BELGIUM

GLT

Guided Light Transit



The GLT (Guided Light Transit) is a new system for urban transport which has been developed and tested during many years in the context of a special R & D programme.

Its main characteristics are:

- Low cost mass transit system, reliable and safe, transporting passengers from suburban areas to the city centre without transfer.
- Bi-mode: it can be operated in guided, as well as in unguided mode, with electric power supplied by catenary, or alternatively by a built-in diesel generator.
- The vehicles are guided by a central rail, imbedded at surface level, each axle being steered within narrow tolerances by a patented guiding system.
- Low-noise vehicles, causing little pollution due to the use of pneumatic tires and electric power.
- The system can be operational from the very start, thus generating revenue for the operators, even prior to any investment in civil works.
- The vehicles are specially designed for any kind of urban and suburban traffic, e.g. on viaduct, in tunnel, on segregated or mixed right of way.
- Infrastructure facilities can be limited to locations of high density traffic.

TECHNICAL CHARACTERISTICS

Undercarriage in corten steel; aluminium car body	
Weight	
empty	26,000 kg
total	40,000 kg
Passenger capacity	198
seats	51
standees (6 pers/m^2)	147
Traction	
2 electrical motors	360 kW
Power supply	
either by catenary	600 V d.c.
or by diesel-electric generator	260 kW
Performances	
Max. service speed	70 km/h
Max. acceleration	1.2 m/s^2
Max. deceleration	5.5 m/s^2
Gradeability	15 %
Minimum curve radius on rail and on road	12 m
Steering axles	4
Reversibility	
Automatic coupling	

BN N.V. / S.A. Avenue Louise 65 – B-1050 BRUSSELS-BELGIUM – Tel. 32-2-535 55 11 – Fax: 32-2-539 10 17 – Telex 61.736 brunag b